

## CI 103

### Objectives for Lab 1

- Update team status
- Identify and document results of prototype activities
- Modify CI 102 requirements and design documents as necessary
- Identify and list open issues and technology gaps
- Start of lab huddle

### A couple of bitbucket considerations for CI 103

### Results of prototype activities

Create a document describing the activities in last term's prototype activities. Your document should include the following for each activity attempted:

- Description of the activity
- What you intended to accomplish
- Description of the results achieved – what did you learn?
- What (if anything) is still open / unknown at the end of the activity
- Explain how your prototyping experience informs the revisions to your requirements and design documents in the next section.

Be sure to store this document in the team repository.

### Revise Requirements and Design Documents to Reflect Prototype Findings

Using the requirements and Design documents created in CI 102 as the basis, revise to reflect your prototype findings. Documents to consider include:

Requirements document

Architectural design documents, including all diagrams (see CI 102 Lab 6 for full set of documents)

Detailed Design documents (see CI 102 Lab 7 for full set of documents)

Save these revised documents to the team repository for CI 103, Lab 1.

## Identify and Document Open issues and Technology Gaps

Above and beyond those issues and gaps identified in the prototype document above, create another document containing the following 2 sections:

- Open project issues
- Remaining technology gaps

For each item, describe your present status and potential plan to address / resolve.

Soon, these items will become the initial issues to be included in a formal Project Issues List (week 3).

Again, please save in the team bitbucket repository.

End of Lab Team huddle

Place this week's documents in an L1 directory under your CI103 directory [CI103/L1]. Keep in mind that sometimes Sourcetree only discovers new subdirectories after a file is placed in the new subdirectory.

Updated Project Team Profile that includes (use the template posted in LEARN):

- Any team member changes
- An updated project description
- Results of Prototype Activities
- Open Issues and Technology Gaps document

Revise your Requirements document from CI 102. Change or add 4-6 requirement statements in your revision. (CI102 Week 3 lab). Use bolded, italicized text to make it easy to identify your changes or use the Microsoft Word track changes feature.

Revise your detailed design document. Update/add system entities, update/add screen designs, update/add data elements, and identify more code functions. (CI102 Week 7 lab). Use bolded, italicized text to make it easy to identify your changes or use the Microsoft Word track changes feature.

Suggested quantity of changes (~~Strikethroughs~~ indicate that the requirement was completed)

- ~~Update/add system entities (minimum of 1)~~
- Update/add screen designs (minimum of 1) (Added one, updated one)

- ~~Update/add data elements (minimum of 2)~~

**NOTE:** At it's current state, our project does not require design changes in the data elements, because we did not map out the data elements in the first place due to the tenuous nature of our database platforms. This is an open issue in our project, yet to be determined. Exactly what we store in Firebase will depend on both performance (whether or not we store things like icons in the cloud, or merely cache them on the device) and user testing (whether or not we want settings to be synced between devices) will largely affect the data elements, so it is not wise yet to extensively map out all of the data elements we need. In lieu of updating or adding data elements, we are updating **2** screen designs and **3** code functions to compensate.

- Identify more code functions (minimum of 2) (added three)

If your project does not require design changes in all of the four areas listed above, explain why and then make sure you compensate by revising more items in another area. Aim to have at least 6 detailed design changes.

#### Next Week's Agenda

- Completion of research of technology gaps and open issues
- Creation of development phase work plan and schedule
- Creation of Project Development Proposal